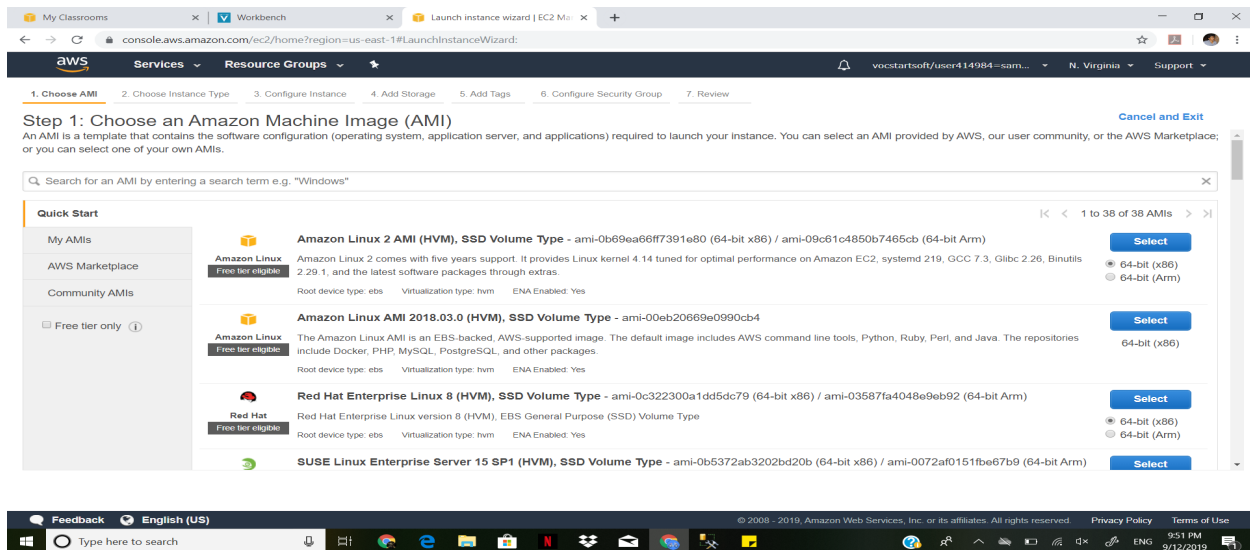


# Create Java Hello World Program Using AWS EC2 Instance

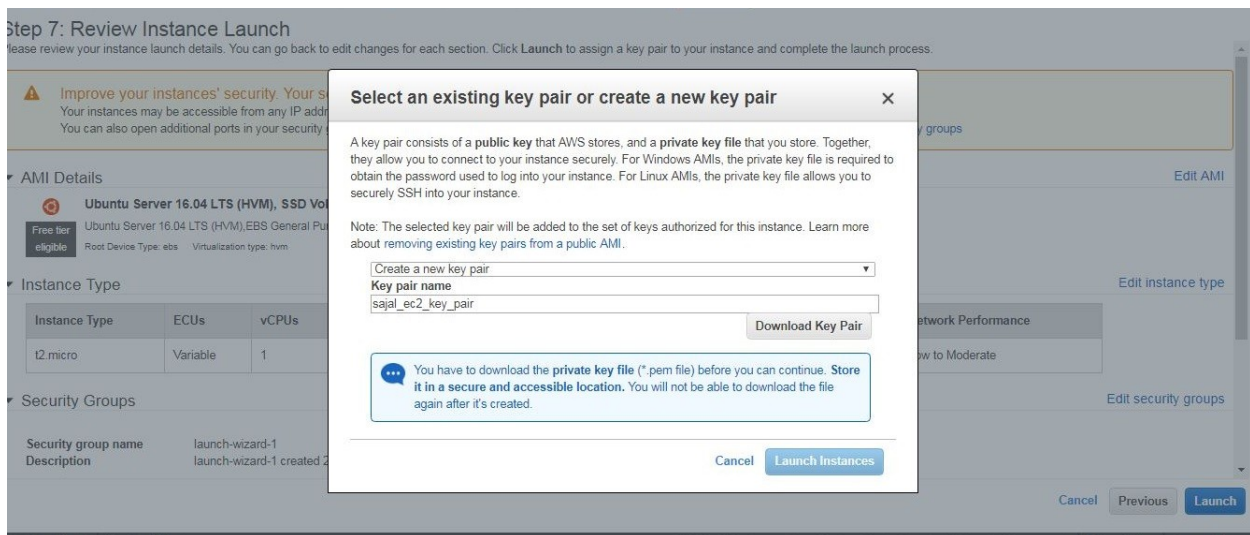
## Step1:

Create an instance from aws educate



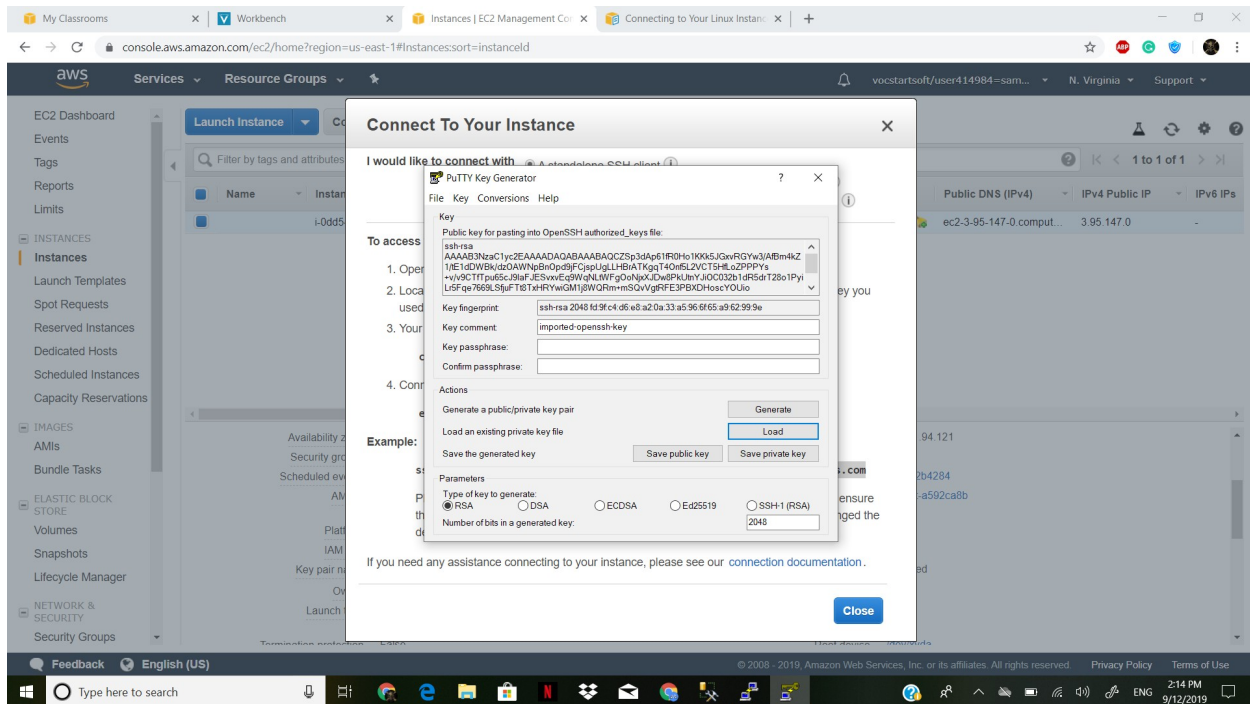
## STEP 2:

Download a keypair/ use existing key pair

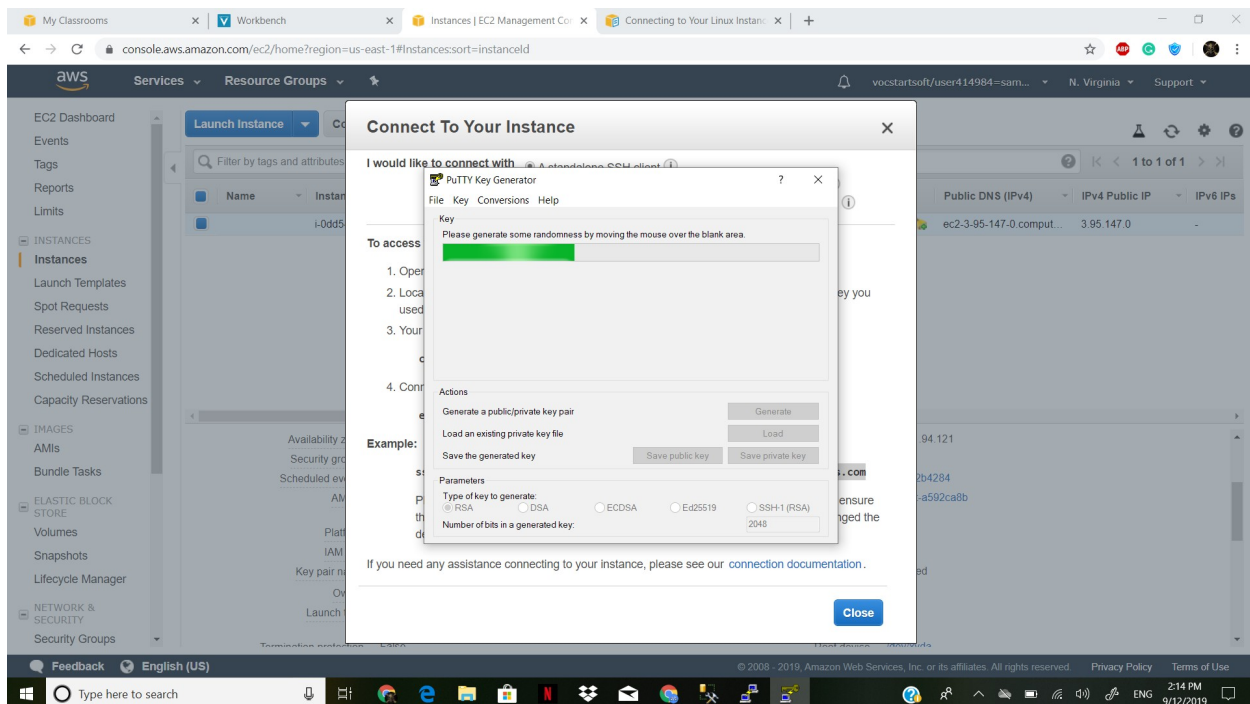


## Step 3:

We create a private key by using putty gen and download the key

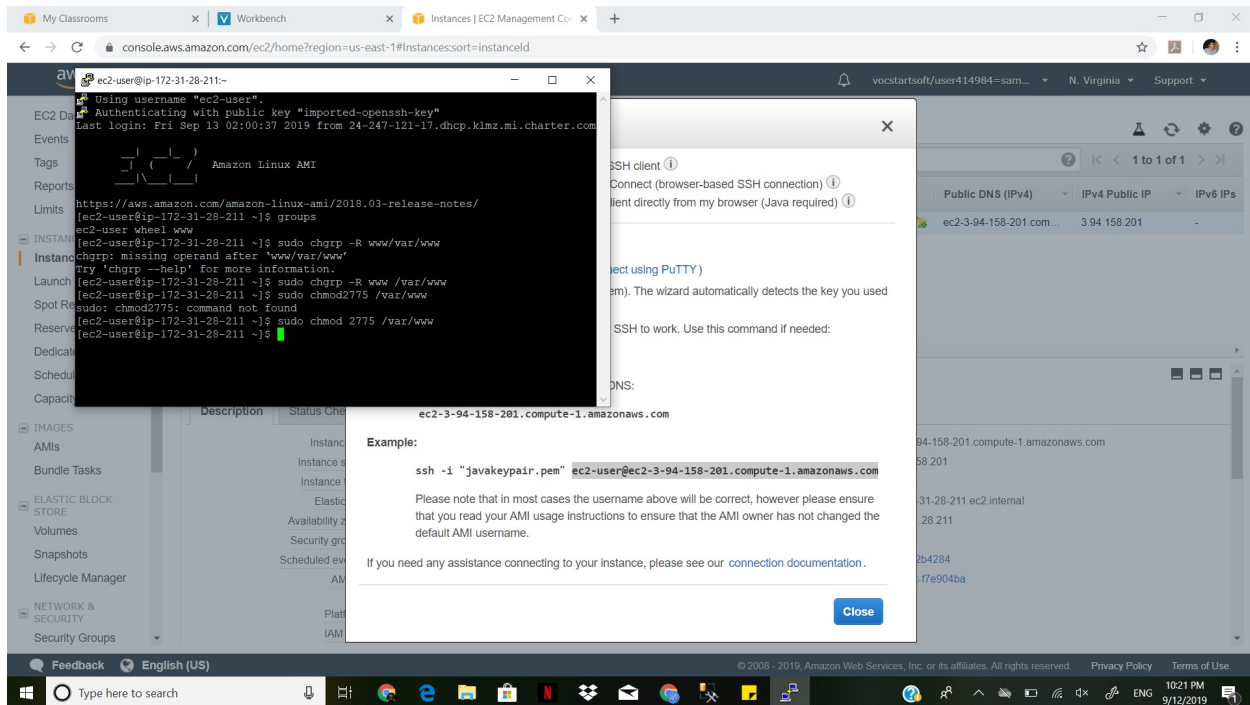


We will save that private key after generation



**Step4:**

We open putty and connect the host name putty command prompt will be opened



## Step 5:

We use this command and download java in to putty

wget --header "Cookie: oraclelicense=accept-securebackup-cookie"  
<http://download.oracle.com/otn-pub/java/jdk/8u181-b13/96a7b8442fe848ef90c96a2fad6ed6d1/jdk-8u181-linux-x64.rpm>

## Step 6:

We type "ls"

We get the software

jdk-8u181-linux-x64.rpm

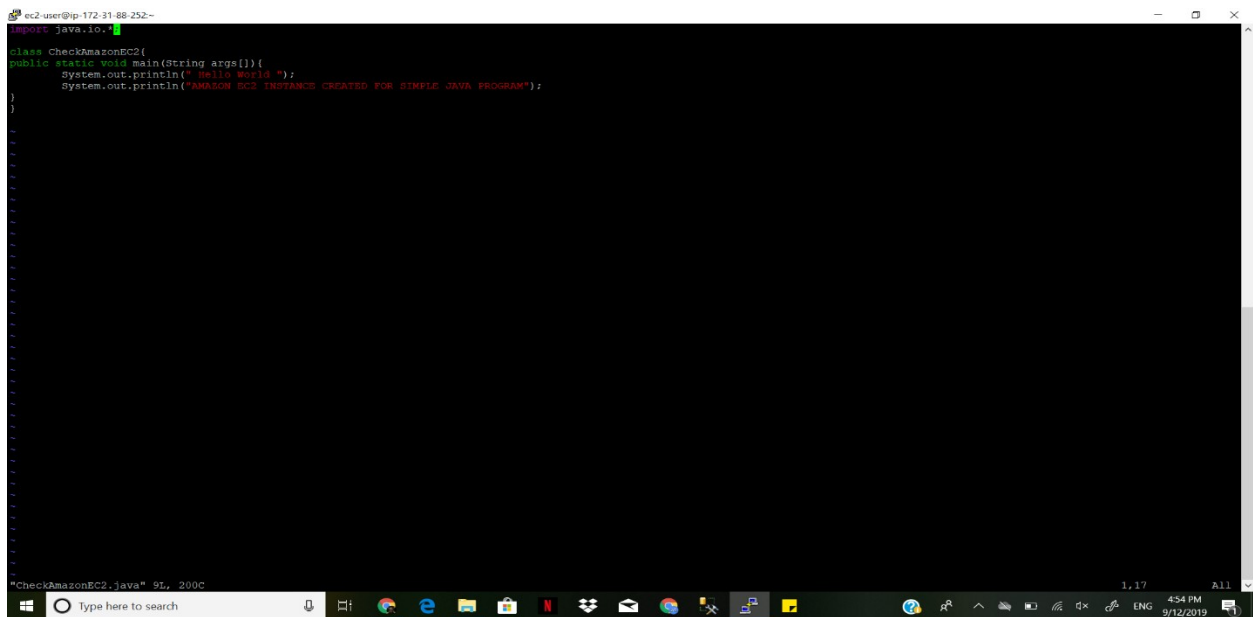
## step 7:

we just type

```
$ sudo yum localinstall jdk-8u181-linux-x64.rpm -y
```

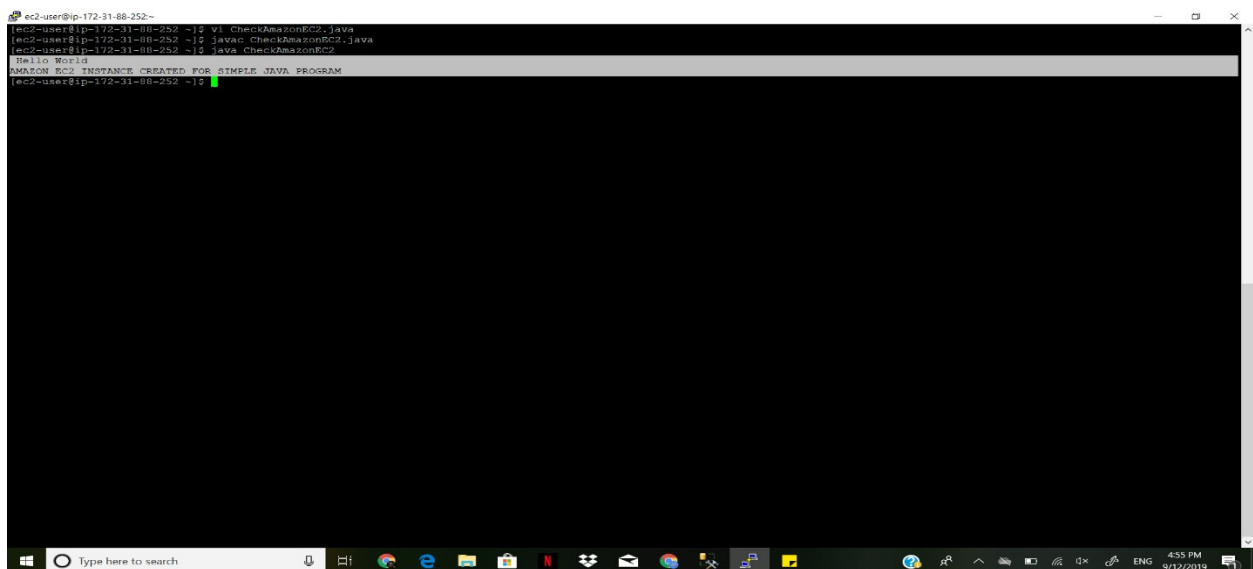
The java is installed in the putty.

We can run java programs here.



```
ec2-user@ip-172-31-88-252:~$  
import java.io.*;  
  
class CheckAmazonEC2(  
public static void main(String args[]){  
    System.out.println(" Hello World ");  
    System.out.println("AMAZON EC2 INSTANCE CREATED FOR SIMPLE JAVA PROGRAM");  
}  
}
```

We execute the program



```
ec2-user@ip-172-31-88-252:~$  
[ec2-user@ip-172-31-88-252 ~]$ vi CheckAmazonEC2.java  
[ec2-user@ip-172-31-88-252 ~]$ javac CheckAmazonEC2.java  
[ec2-user@ip-172-31-88-252 ~]$ java CheckAmazonEC2  
Hello World  
AMAZON EC2 INSTANCE CREATED FOR SIMPLE JAVA PROGRAM  
[ec2-user@ip-172-31-88-252 ~]$
```

## Step 8:

We connect the services to link the address to display it on the web page

The screenshot shows the AWS Management Console with an EC2 instance selected. A terminal window is open, displaying the following commands and output:

```
ec2-user@ip-172-31-28-211:~$ groups
ec2-user wheel www
ec2-user@ip-172-31-28-211:~$ sudo chgrp -R www /var/www
chgrp: missing operand after 'www/var/www'
Try 'chgrp --help' for more information.
ec2-user@ip-172-31-28-211:~$ sudo chgrp -R www /var/www
ec2-user@ip-172-31-28-211:~$ sudo chmod 2775 /var/www
ec2-user@ip-172-31-28-211:~$ sudo chmod 2775 /var/www
ec2-user@ip-172-31-28-211:~$
```

A modal dialog box is open, titled "SSH client", providing instructions for connecting to the instance. It includes the following text:

SSH client (1)  
Connect (browser-based SSH connection) (1)  
Connect directly from my browser (Java required) (1)  
Select using PuTTY)  
(em). The wizard automatically detects the key you used  
SSH to work. Use this command if needed:  
DNS:  
Example:  
`ssh -i "javakeypair.pem" ec2-user@ec2-3-94-158-201.compute-1.amazonaws.com`  
Please note that in most cases the username above will be correct, however please ensure that you read your AMI usage instructions to ensure that the AMI owner has not changed the default AMI username.  
If you need any assistance connecting to your instance, please see our [connection documentation](#).

The screenshot shows the AWS Management Console with an EC2 instance selected. A terminal window is open, displaying the following commands and output:

```
ec2-user@ip-172-31-28-211:~$ groups
ec2-user wheel www
ec2-user@ip-172-31-28-211:~$ sudo chgrp -R www /var/www
chgrp: missing operand after 'www/var/www'
Try 'chgrp --help' for more information.
ec2-user@ip-172-31-28-211:~$ sudo chgrp -R www /var/www
ec2-user@ip-172-31-28-211:~$ sudo chmod 2775 /var/www
ec2-user@ip-172-31-28-211:~$ sudo chmod 2775 /var/www
ec2-user@ip-172-31-28-211:~$ find /var/www -type d -exec sudo
find: missing argument to '-exec'
ec2-user@ip-172-31-28-211:~$ find /var/www -type d -exec sudo chmod 2775 {} +
ec2-user@ip-172-31-28-211:~$
```

A modal dialog box is open, titled "SSH client", providing instructions for connecting to the instance. It includes the following text:

SSH client (1)  
Connect (browser-based SSH connection) (1)  
Connect directly from my browser (Java required) (1)  
Select using PuTTY)  
(em). The wizard automatically detects the key you used  
SSH to work. Use this command if needed:  
DNS:  
Example:  
`ssh -i "javakeypair.pem" ec2-user@ec2-3-94-158-201.compute-1.amazonaws.com`  
Please note that in most cases the username above will be correct, however please ensure that you read your AMI usage instructions to ensure that the AMI owner has not changed the default AMI username.  
If you need any assistance connecting to your instance, please see our [connection documentation](#).

My Classrooms x Workbench x Instances | EC2 Management Console

console.aws.amazon.com/ec2/home?region=us-east-1#Instances:sort=instancetype

ec2-user@ip-172-31-28-211:~\$

Amazon Linux AMI

https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/

[ec2-user@ip-172-31-28-211 ~]\$ groups

[ec2-user@ip-172-31-28-211 ~]\$ sudo chgrp -R www /var/www

chgrp: missing operand after 'www/var/www'

Try 'chgrp --help' for more information.

[ec2-user@ip-172-31-28-211 ~]\$ sudo chgrp -R www /var/www

[ec2-user@ip-172-31-28-211 ~]\$ sudo chmod 2775 /var/www

sudo: chmod2775: command not found

[ec2-user@ip-172-31-28-211 ~]\$ sudo chmod 2775 /var/www

[ec2-user@ip-172-31-28-211 ~]\$ find /var/www -type d -exec sudo

find: missing argument to '-exec'

[ec2-user@ip-172-31-28-211 ~]\$ find /var/www -type d -exec sudo

find: missing argument to '-exec'

[ec2-user@ip-172-31-28-211 ~]\$ find /var/www -type d -exec sudo chmod 2775 {} +

[ec2-user@ip-172-31-28-211 ~]\$ find /var/www -type f -exec sudo chmod 0664 {} +

[ec2-user@ip-172-31-28-211 ~]\$

ec2-3-94-158-201.compute-1.amazonaws.com

Example:

ssh -i "javakeypair.pem" ec2-user@ec2-3-94-158-201.compute-1.amazonaws.com

Please note that in most cases the username above will be correct, however please ensure that you read your AMI usage instructions to ensure that the AMI owner has not changed the default AMI username.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

Close

SSH client

Connect (browser-based SSH connection)

Client directly from my browser (Java required)

Connect using PuTTY

The wizard automatically detects the key you used

SSH to work. Use this command if needed:

DNS:

Public DNS (IPv4) IPv4 Public IP IPv6 IPs

ec2-3-94-158-201.com... 3.94.158.201

94-158-201.compute-1.amazonaws.com

31-28-211.ec2.internal

28.211

7b4284

f7e904ba

Feedback English (US)

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My Classrooms x Workbench x Instances | EC2 Management Console

console.aws.amazon.com/ec2/home?region=us-east-1#Instances:sort=instancetype

ec2-user@ip-172-31-28-211:~\$

Amazon Linux AMI

https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/

[ec2-user@ip-172-31-28-211 ~]\$ groups

[ec2-user@ip-172-31-28-211 ~]\$ sudo chgrp -R www /var/www

chgrp: missing operand after 'www/var/www'

Try 'chgrp --help' for more information.

[ec2-user@ip-172-31-28-211 ~]\$ sudo chgrp -R www /var/www

[ec2-user@ip-172-31-28-211 ~]\$ sudo chmod 2775 /var/www

sudo: chmod2775: command not found

[ec2-user@ip-172-31-28-211 ~]\$ sudo chmod 2775 /var/www

[ec2-user@ip-172-31-28-211 ~]\$ find /var/www -type d -exec sudo

find: missing argument to '-exec'

[ec2-user@ip-172-31-28-211 ~]\$ find /var/www -type d -exec sudo

find: missing argument to '-exec'

[ec2-user@ip-172-31-28-211 ~]\$ find /var/www -type f -exec sudo chmod 0664 {} +

[ec2-user@ip-172-31-28-211 ~]\$ cd /var/www

[ec2-user@ip-172-31-28-211 ~]\$ mkdir inc

[ec2-user@ip-172-31-28-211 ~]\$ cd inc

[ec2-user@ip-172-31-28-211 inc]\$ >dbinfo.inc

[ec2-user@ip-172-31-28-211 inc]\$ nano dbinfo.inc

ec2-3-94-158-201.compute-1.amazonaws.com

Example:

ssh -i "javakeypair.pem" ec2-user@ec2-3-94-158-201.compute-1.amazonaws.com

Please note that in most cases the username above will be correct, however please ensure that you read your AMI usage instructions to ensure that the AMI owner has not changed the default AMI username.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

Close

SSH client

Connect (browser-based SSH connection)

Client directly from my browser (Java required)

Connect using PuTTY

The wizard automatically detects the key you used

SSH to work. Use this command if needed:

DNS:

Public DNS (IPv4) IPv4 Public IP IPv6 IPs

ec2-3-94-158-201.com... 3.94.158.201

94-158-201.compute-1.amazonaws.com

31-28-211.ec2.internal

28.211

7b4284

f7e904ba

Feedback English (US)

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## Step 9:

We running the program it is displayed on the web page using my instance

